



INTERNATIONAL JOURNAL OF
**SOLID S AND
STRUCTURES**



Editors:

Stelios Kyriakides

The University of Texas at Austin, USA

David Hills

University of Oxford, UK



CONTENTS

- B.-b. Jung, H.-k. Lee and H.-c. Park** 2719 Effect of grain size on the indentation hardness for polycrystalline materials by the modified strain gradient theory
- G. Carta, I. S. Jones, M. Brun, N. V. Movchan and A. B. Movchan** 2725 Crack propagation induced by thermal shocks in structured media
- C. Mi and D. Kouris** 2737 Stress concentration around a nanovoid near the surface of an elastic half-space
- V. Roulet, P.-A. Boucard and L. Champaney** 2749 An efficient computational strategy for composite laminates assemblies including variability
- R. Abdollahi and B. Boroomand** 2758 Benchmarks in nonlocal elasticity defined by Eringen's integral model
- A. R. Hajimohammadi, A. Khojasteh, M. Rahimian and R. Y. S. Pak** 2772 Vertical vibration of a rigid circular disc at the interface of a transversely isotropic bi-material
- A. R. Hadjesfandiari** 2781 Size-dependent piezoelectricity
- S. L. Das, T. Mandal and S. S. Gupta** 2792 Inextensional vibration of zig-zag single-walled carbon nanotubes using nonlocal elasticity theories
- A. Constantinescu, A. M. Korsunsky, O. Pison and A. Oueslati** 2798 Symbolic and numerical solution of the axisymmetric indentation problem for a multilayered elastic coating
- W. Leclerc and P. Karamian-Surville** 2808 Domain decomposition methods to evaluate effective elastic properties of random fibre composites in the framework of the double-scale homogenization
- H. Lekesiz, N. Katsume, S. I. Rokhlin and R. R. Seghi** 2817 Effective spring stiffness for a periodic array of interacting coplanar penny-shaped cracks at an interface between two dissimilar isotropic materials
- Y. K. Khdir, T. Kanit, F. Zairi and M. Naït-Abdelaziz** 2829 Computational homogenization of elastic-plastic composites

Available online at www.sciencedirect.com**SciVerse ScienceDirect**